

# Safeguarding Water Securing Our Future

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# **Deer Creek Dam & Reservoir**



**Supplies Water** to Over 1.6 Million People



Vital to **Utah's Economy** 



One of the Most Utilized **Recreational Ecosystems in Utah** 

1 Out of every 2 Utahns Count on This Vital Water Supply

80-Year Old

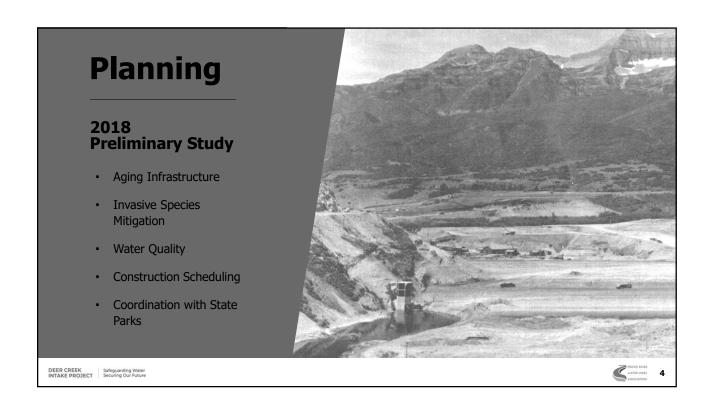
Intake & Guard Gates

153,000 AF Of Water Storage

75% Increase In Population Served By 2060

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## Water **Supply Concerns**



### **Aging Infrastructure**

- Intake & guard gates built 80 years ago
- · End of useful life reached
- Manufacturer parts no longer available
- Performing maintenance is challenging without having to drain the reservoir



### **Invasive Species Threat**

- · Imminent threat from Quagga mussels with no effective defense against them
- · Would render intake and guard gates useless or require extensive maintenance
- Negative impacts on reservoir ecosystem

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# **Innovative Solution, Uninterrupted Water Supply**



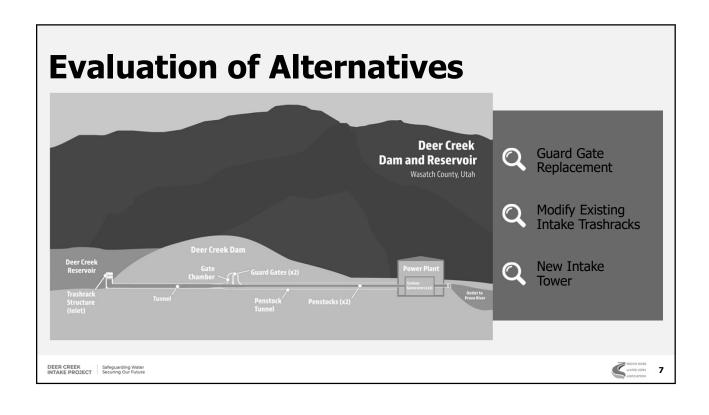
Innovative design and construction method replaces intake and guard gates WITHOUT draining reservoir

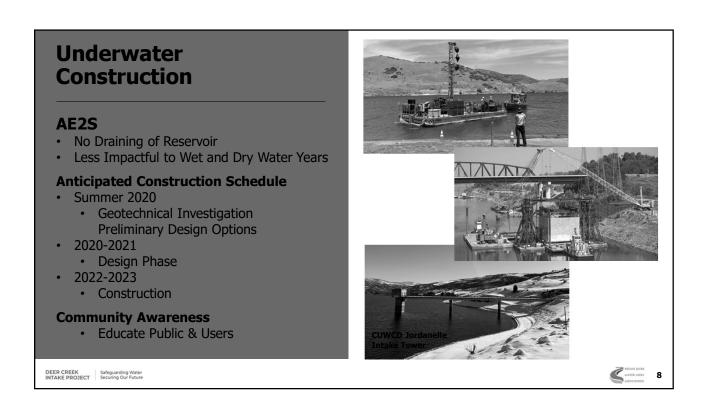


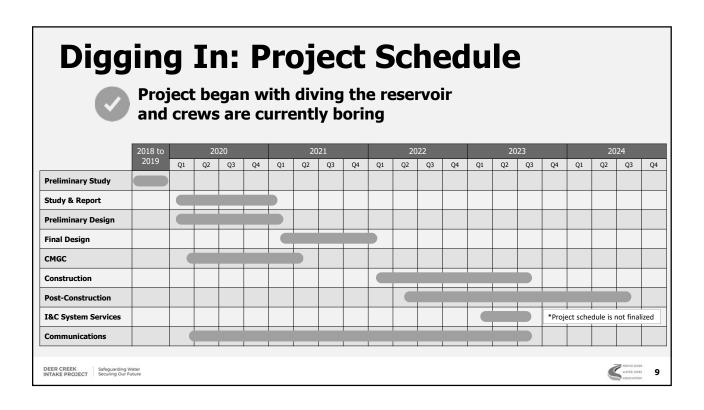
State-of-the-art defense mechanisms against Quagga mussels with design features to improve water quality

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### **WIFIA**

- Water Infrastructure Finance and Innovation Act
  - > EPA program that leverages federal funds one hundred-fold
  - \$20M minimum project size
  - **▶ WIFIA** will fund up to 49% of a selected project



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# **Deer Creek Intake Project Meets WIFIA Funding Criteria**

- Regionally significant project.
- Area is affected by climate change and extreme weather conditions.
- \$40M Multigenerational project that provides water for drinking, irrigation, and economic development.
- Funding would allow the project to start significantly sooner.
- Project design and construction protects against invasive species and reduces disruption to ecosystem.
- Project serves an area of the US with significant water issues and a population projected to increase 75% by 2060.
- Addresses 80-year old infrastructure that is reaching the end of its service life.
- Can meet cost share responsibilities.

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# **Deer Creek Dam & Reservoir By the Numbers**

### 1 OUT OF EVERY 2 UTAHNS

counts on this vital water supply

# **80-YEAR OLD** intake & guard gates

100,000 ACRE-FEET of water delivered to end users every year

# **\$40M +/-**to construct replacement infrastructure

# 1.6M+ AMERICANS will be spared from water interruption or shortages

# **2022** year the Deer Creek Intake Project will be shovel ready

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